

### R E M A R K S

Claims 1, 5, 7, 9 and 10 have been amended and claims 4 and 6 have been canceled without prejudice or disclaimer. No new matter has been added. Claims 11 and 12 appear to have been reviewed by the Examiner, but these claims do not appear in the published application and appear to have been canceled by preliminary amendment filed April 29, 2005. The language used for this amendment aligns with the application as published. Claims 1, 2, 3, 5, 7, 8, 9, and 10 remain in the application and

#### **Claim Objections**

***1. Claim 5 and 7 were objected to as being in improper form. The Examiner stated that claims 2-4 and 6 are multiple dependent claims.***

Applicant respectfully points out that a Preliminary Amendment was filed on April 29, 2005. These amended claims appear in PAIR and align with the claims as published. The claims in the preliminary amendment do not have the multiple dependency issues noted above and list only 10 claims – not 12. Applicant telephoned the Examiner on April 21, 2008 and left a message regarding the discrepancy. Applicant attempted to reach the Examiner again on April 23, 2008. Another review of PAIR indicates that the Examiner assigned to this application has changed. As such Applicant will proceed with this amendment with the understanding that claims 1-10 are currently pending as amended by the preliminary amendment and as published.

Applicant therefore respectfully requests that the multiple dependency objections be withdrawn.

***2. Claims 2-4, 6 and 8-10 were objected to due to informalities. The words “a method of...” should be corrected to “the method of...”***

The claims have been amended to replace “a method...” with “the method...” Claim 10 does not appear to have the error. Applicant requests that the objection now be withdrawn.

**Claims 1-4, 8, 10-12 were rejected under 35U.S.C. 103(a) as being unpatentable over Interactive channel estimation and encoding for a turbo-decoded OFDM system via the EM algorithm in view of Maximum a Posteriori Multipath Fading Channel Estimation for OFDM Systems, and in view of Maximum a Posteriori Multipath Fading Channel Estimation for OFDM Systems, and in view of Ray et al. Pat. No. : US 6,173,011.**

Claims 2, 3, and 8 provide further limitations to what is believed to be an allowable claim 1, as amended under the allowable claim section below, and hence are also in condition for allowance.

Claim 10 has been amended to incorporate the element of amended claim 1 and as such is now believed to be in condition for allowance.

**Allowable Claims**

***Claims 6 and 9 were deemed allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.***

Applicant thanks the Examiner for the indication of allowable subject matter and has amended the claims accordingly. Claims 4 and 6 have been canceled and incorporated into independent claim 1. Claim 1, as amended, is thus in condition for allowance. Claims 5 and 7 were amended for antecedent basis.

Claim 9 has been rewritten in independent form to incorporate the elements of claim 1 and as such claim 9, as amended, is in condition for allowance.

Claims 2, 3, and 8 are dependent claims providing further limitations to allowable claim 1, as amended, and hence are also in condition for allowance.

The Commissioner is hereby authorized to charge any fees due to Motorola, Inc., Deposit Account No. 50-2117, or credit any overpayment to the same account.

Respectfully submitted,

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Motorola, Inc.  
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